

QuickStart Guide

FortiGate/FortiWiFi®
40F & 60F Series

Product Registration

Thank you for purchasing a FortiGate/FortiWiFi. To access:

- Cloud Management
- FortiGuard Updates
- Firmware Upgrades
- Technical Support
- Warranty Coverage

Please register your FortiGate/FortiWiFi:

Vous devez enregistrer le produit:

Debe registrar el producto:

登録のお願い:

请马上注册:

<http://support.fortinet.com>



June 7, 2020

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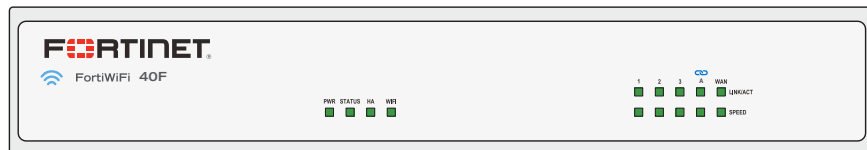
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Package Contents - FG/FWF 40F



FortiGate/FortiWiFi® 40F/ 41F Series



QuickStart Guide



Adapter Plugs



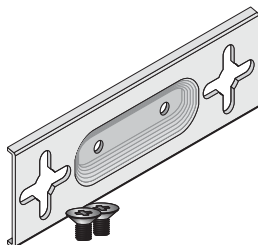
DC Power Adapter



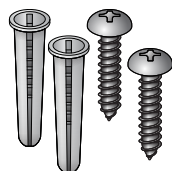
Ethernet Cable



3 WiFi Antennas
(FortiWiFi models only)

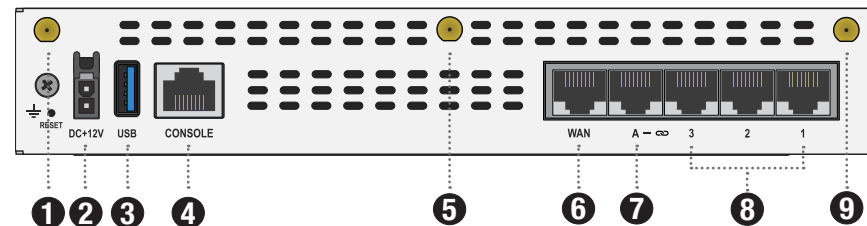


Wall Mount Kit
(Optional)



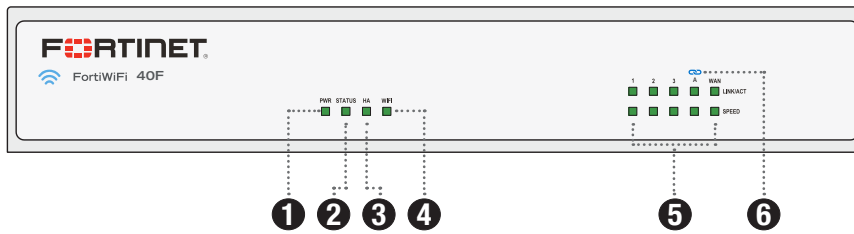
Wall Mount Hardware
(Optional)

Back Panel - FG/FWF 40F



- 1** **Antenna Connection (SMA)** passive directional antenna connection
(FortiWiFi models only)
- 2** **Power 12V DC**, 100-240V AC 50/60Hz adapter
- 3** **USB (USB A)** USB 3.0 server port
- 4** **Console (RJ-45)** CLI management computer interface
- 5** **Antenna Connection (SMA)** passive directional antenna connection
(FortiWiFi models only)
- 6** **WAN (RJ-45)** 1 Gbps Ethernet interface
- 7** **FortiLink Port A (RJ-45)** 1 Gbps Ethernet interface (FortiLink interface)
- 8** **Ethernet Ports 1 to 3 (RJ-45)** 1 Gbps Ethernet connections
- 9** **Antenna Connection (SMA)** passive directional antenna connection
(FortiWiFi models only)

Front Panel - FG/FWF 40F

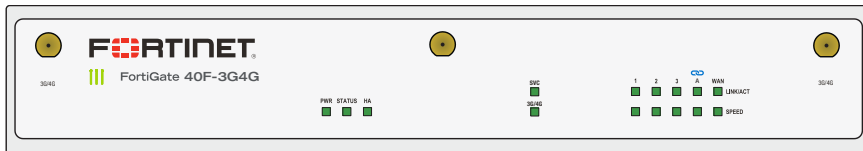


- 1 PWR**
 - Green: Power is on
 - Off: Power is off
- 2 STATUS**
 - Green: Normal
 - ✦ Flashing Green: Booting up
- 3 HA**
 - Green: Operating in an HA cluster
 - Amber: HA failover
 - Off: Not in an HA cluster
- 4 WIFI**

(FortiWiFi models only)

 - Green: WiFi connected
 - ✦ Flashing Green: WiFi activity
 - Off: WiFi is off
- 5 PORT LINK/ACT**
 - Green: Connected
 - ✦ Flashing Green: Transmitting data
 - Off: No link established
- PORT SPEED**
 - Green: Connected at 1Gbps
 - Amber: Connected at 100Mbps
 - Off: Not connected or 10Mbps
- 6 FortiLink**
 - 🔗: FortiLink interface

Package Contents - FG/FWF 40F 3G4G



FortiGate/FortiWiFi® 40F/41F 3G4G Series



QuickStart Guide



Adapter Plugs



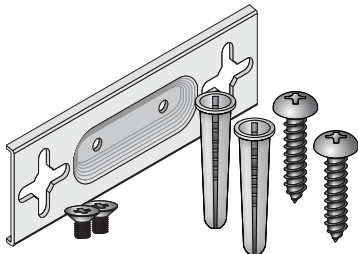
DC Power Adapter



Ethernet Cable



3x WiFi Antennas
(FortiWiFi models only)

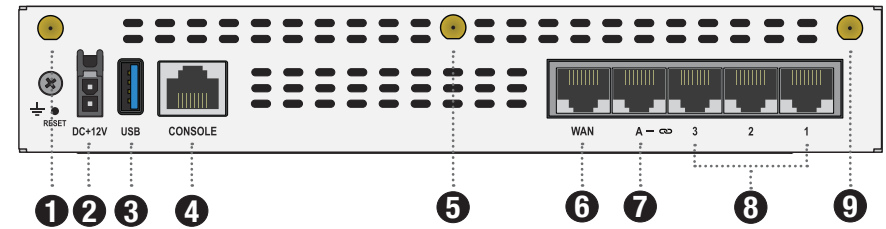


Wall Mount Kit with Hardware
(Optional)



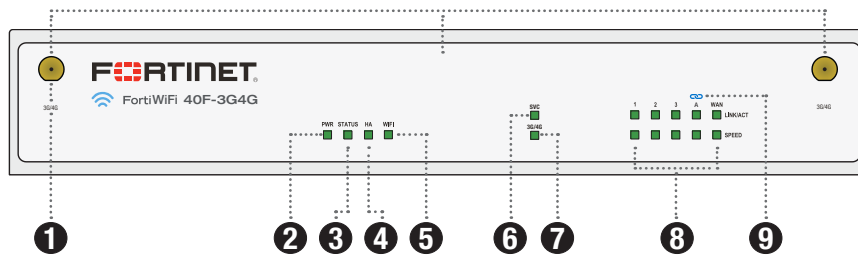
3x 3G4G Antennas
(40F 3G4G models only)

Back Panel- FG/FWF 40F 3G4G



- 1 Antenna Connection (SMA)** passive directional antenna connection
(FortiWiFi models only)
- 2 Power** 12V DC, 100-240V AC 50/60Hz adapter
- 3 USB (USB A)** USB 3.0 server port
- 4 Console (RJ-45)** CLI management computer interface
- 5 Antenna Connection (SMA)** passive directional antenna connection
(FortiWiFi models only)
- 6 WAN (RJ-45)** 1 Gbps Ethernet interface
- 7 FortiLink Port A (RJ-45)** 1 Gbps Ethernet interface (FortiLink interface)
- 8 Ethernet Ports 1 to 3 (RJ-45)** 1 Gbps Ethernet connections
- 9 Antenna Connection (SMA)** passive directional antenna connection
(FortiWiFi models only)

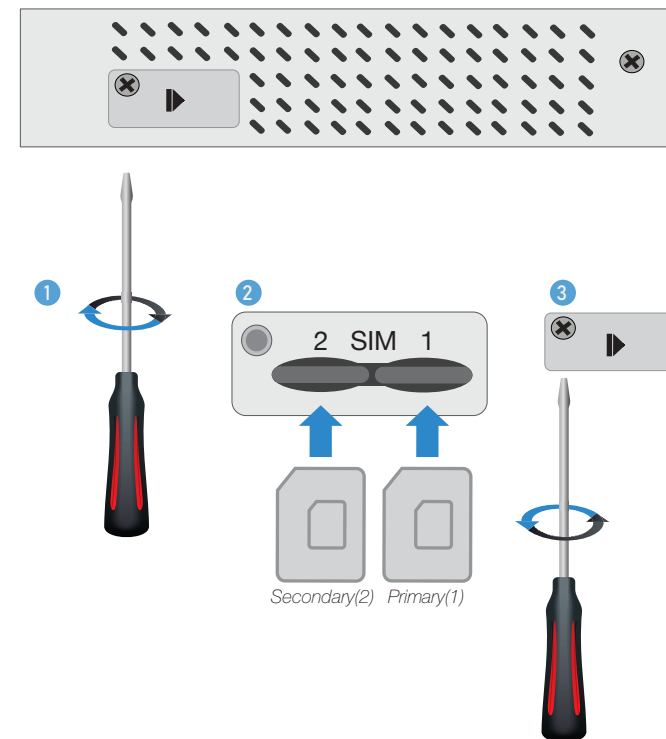
Front Panel- FG/FWF 40F 3G4G



1 Antenna Connection (3x SMA) WWAN antenna connections

- 2 PWR**
- Green: Power is on
 - Off: Power is off
- 3 STATUS**
- Green: Normal
 - Flashing Green: Booting up
- 4 HA**
- Green: Operating in an HA cluster
 - Amber: HA failover
 - Off: Not in an HA cluster
- 5 WIFI**
(FortiWiFi models only)
- Green: WiFi connected
 - Flashing Green: WiFi activity
 - Off: WiFi is off
- 6 SVC**
- Green: SVC is on
 - Flashing Green: SVC activity
 - Off: SVC is off
- 7 3G/4G**
- Green: 3G4G is on
 - Flashing Green: 3G4G activity
 - Off: 3G4G is off
- 8 PORT LINK/ACT**
- Green: Connected
 - Flashing Green: Transmitting data
 - Off: No link established
- PORT SPEED**
- Green: Connected at 1Gbps
 - Amber: Connected at 100Mbps
 - Off: Not connected or 10Mbps
- 9 FortiLink**
- FortiLink interface

SIM Card Installation



NOTE: For more information on Wireless WAN Configuration, please refer to the FortiOS Handbook at docs.fortinet.com

Package Contents - FG/FWF 60F



FortiGate/FortiWiFi® 60F/61F Series



QuickStart Guide



Power Cable



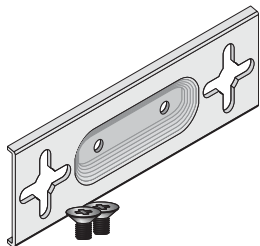
12V DC Power Adapter



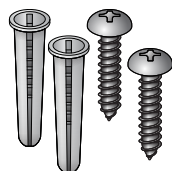
Ethernet Cable



3 WiFi Antennas
(FortiWiFi models only)

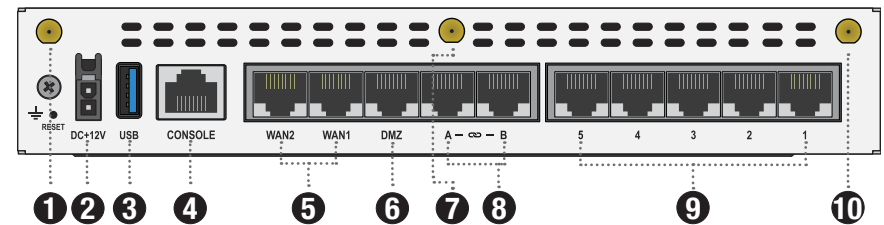


Wall Mount Kit



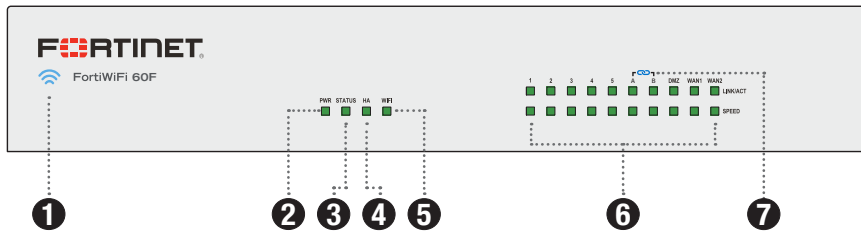
Wall Mount Hardware

Back Panel - FG/FWF 60F



- 1** **Antenna Connection (SMA)** passive directional antenna connection
(FortiWiFi models only)
- 2** **Power** 12V DC, 100-240V AC 50/60Hz adapter
- 3** **USB (USB A)** USB 3.0 server port
- 4** **Console (RJ-45)** CLI management computer interface
- 5** **WAN1 & WAN2 (RJ-45)** 1 Gbps Ethernet interfaces
- 6** **DMZ (RJ-45)** 1 Gbps Ethernet interface
- 7** **Antenna Connection (SMA)** passive directional antenna connection
(FortiWiFi models only)
- 8** **FortiLink Ports A & B (RJ-45)** 1 Gbps Ethernet FortiLink auto-detect connections
- 9** **Ethernet Ports 1 to 5 (RJ-45)** 1 Gbps Ethernet connections
- 10** **Antenna Connection (SMA)** passive directional antenna connection
(FortiWiFi models only)

Front Panel - FG/FWF 60F



1 LOGO

FortiGate (FortiGate models)
Green: The device is on
Off: The device is off

FortiWiFi (FortiWiFi models)
Blue: The device is on
Off: The device is off

2 PWR

Green: Power is on
Off: Power is off

3 STATUS

Green: Normal
Flashing Green: Booting up

4 HA

Green: Operating in an HA cluster
Amber: HA failover
Off: Not in an HA cluster

5 WIFI

(FortiWiFi models only)

Green: WiFi connected
Flashing Green: WiFi activity
Off: WiFi is off

6 PORT LINK/ACT

Green: Connected
Flashing Green: Transmitting data
Off: No link established

PORT SPEED

Green: Connected at 1Gbps
Amber: Connected at 100Mbps
Off: Not connected or 10Mbps

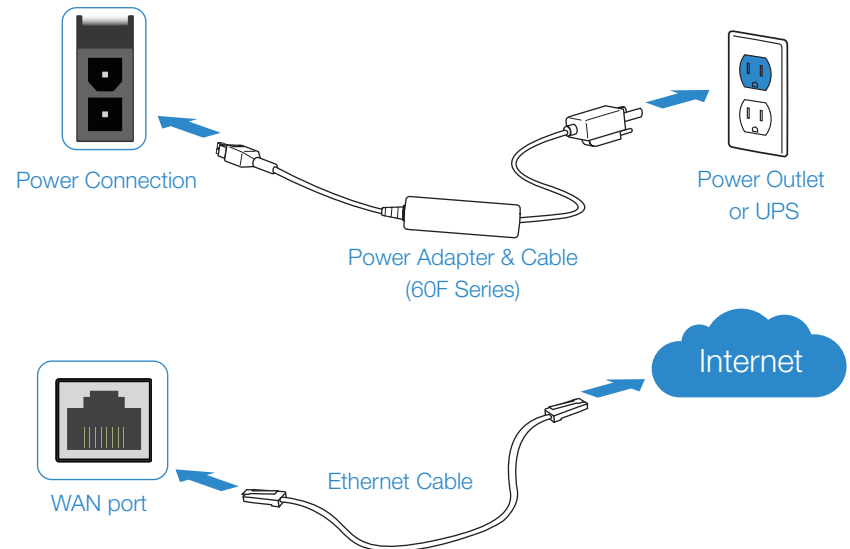
7 FortiLink

FortiLink interfaces

Installation

Your FortiGate/FortiWiFi includes a wall mount kit and connection cables. Desktop installation, rack mount and slide-rail kits are also available.

Basic Connections

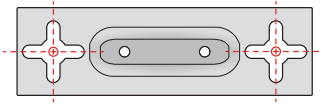


1. Plug in your device to a power outlet using the provided power cable
 - a. The 60F series uses a desktop power adapter and cable
 - b. The 40F series uses a wall mount adapter with US, EU or UK plugs
2. Connect a WAN port to the internet using the supplied Ethernet cable

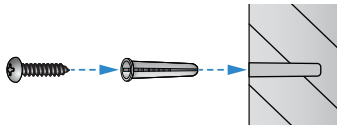
Note: We recommend connecting your FortiGate to an **uninterruptible power supply (UPS)** in case of a power outage

Wall Mount Option

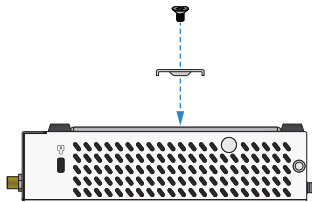
1. Mark the location of the holes using the mounting bracket



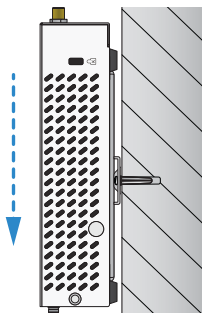
2. Drill holes for the anchors
3. Insert the anchors and then screw in the screws with 2mm exposed



4. Fasten the mounting bracket



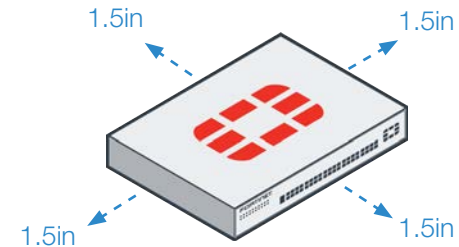
5. Position the device and slide into place



6. Plug the provided power cable into the rear of the unit and then into a grounded electrical outlet or separate power source

Desktop Option

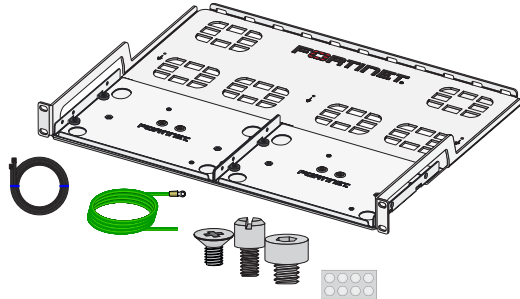
1. Place the unit on a flat, clean and stable surface
2. Ensure there is at least 1.5in of clearance for adequate airflow



3. Plug the provided power cable into the rear of the unit and then into a grounded electrical outlet or separate power source

Rack/Rail Mount Option

Fortinet carries a variety of standard and custom rack and rail mount accessories, including a rack mount tray kit, SP-RACKTRAY-02.



SP-RACKTRAY-02

Ordering: Contact Fortinet to order [brackets](#), [rail slide kits](#), [rack mount kits](#) and other [accessories](#), such as a [console cable](#)

Setup Options

Set up your device locally or on the cloud. Choose one of the following options to complete your setup, then configure your device.



Local Setup

A GUI

An [easy-to-use GUI](#), compatible with most web browsers. To minimize scrolling, the screen resolution should be at least 1280 x 1024 pixels.



Cloud Setup

B FortiGate Cloud

FortiGate Cloud is a [cloud-based](#) infrastructure management solution and log retention service. It provides [centralized reporting](#), [traffic analysis](#), [configuration management](#), and [log retention](#) without the need for additional hardware and software.



Smartphone Setup

C FortiExplorer

FortiExplorer for iOS is a [user-friendly iOS application](#) that helps you [configure](#), [manage](#), and [monitor](#) appliances. FortiExplorer rapidly provisions, deploys, and monitors Security Fabric components such as [FortiGate](#), [FortiWiFi](#), and [FortiAP](#) devices.



Local Setup

D Command Line Interface (CLI)

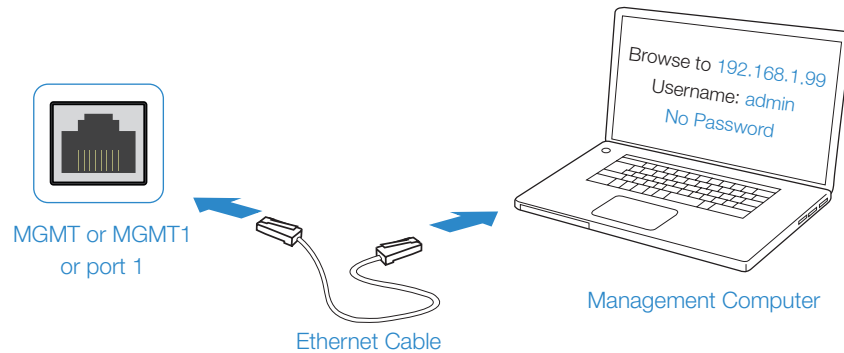
An alternate configuration tool from the web-based manager that uses a [terminal emulation](#) application to [type commands](#) or upload batches of commands from a text file or [configuration script](#). Requires a console cable (available for purchase).

1. Connect **port 1** to the **Management Computer** using the supplied **Ethernet cable**

2. Enable **DHCP** or set the Management Computer's **IP** and **subnet** to:

Static IP Address: 192.168.1.1
Subnet Mask: 255.255.255.0

3. Visit 192.168.1.99 in a web browser



4. Log in with username **admin** and **no password**

Username

Password

Login

5. When prompted to register, enter your **Fortinet credentials**

FortiCare Registration Required

Serial Number FG800D3915800295

Action **Login** Create Account

Email

Password

Forgot your password?

Country

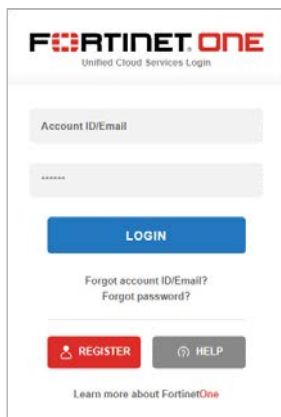
Reseller

OK Cancel

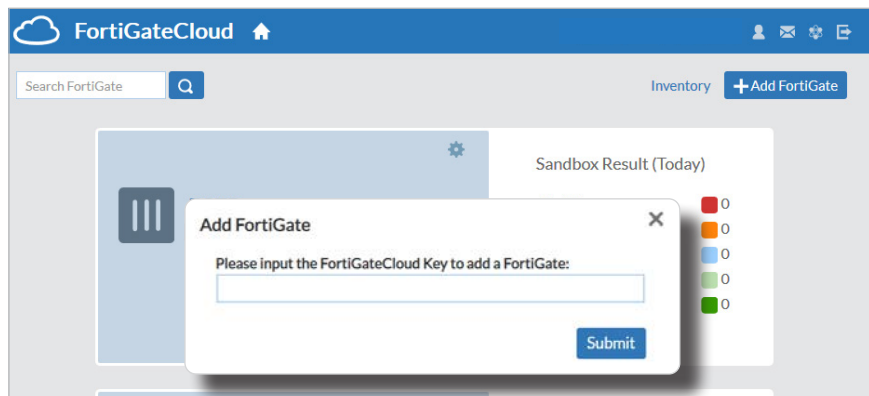
6. The **FortiCare Support Status** in the FortiOS License Information widget will change to **Registered**

License Information		
Entitlement	Status	
FortiCare Support	✓ Registered	
Enhanced Support	✓ 8x5 support - expires on 2020/03/08	
Virtual Machine	✓ Valid - expires on 2020/03/06	
Allocated vCPUs	25% 1 / 4	
Allocated RAM	1002 MiB	
Firmware & General Updates	✓ Licensed - expires on 2020/03/08	
Application Control Signatures	⊙ Version 6.00741	
Device & OS Identification	⊙ Version 1.00084	
Internet Service Database Definitions	⊙ Version 7.00109	
Intrusion Prevention	✓ Licensed - expires on 2020/03/08	
IPS Definitions	⊙ Version 6.00741	
IPS Engine	⊙ Version 5.00031	
Malicious URLs	⊙ Version 2.00430	
Botnet IPs	⊙ Version 1.00000	

1. Log in to forticloud.com using your Fortinet credentials



2. Click [Add FortiGate](#) and enter the [Cloud Key](#) located on the [sticker](#) on your device

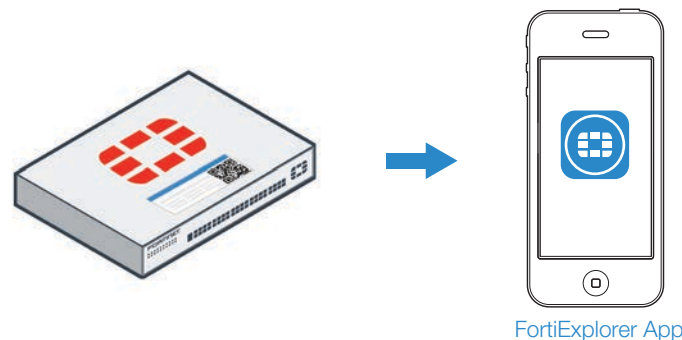


3. You can now manage your device from the cloud

Note: To get a [Fortinet account](https://support.fortinet.com), register at support.fortinet.com

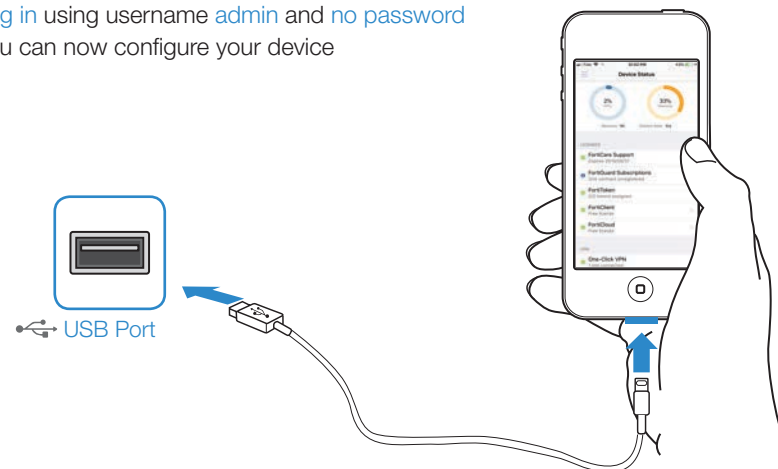
1 Cloud Key Setup

1. [Download](#) and launch the [FortiExplorer iOS App](#)
2. Tap [Devices](#), then tap [Add](#)
3. Select [FortiGate Cloud](#) and log in using your [Fortinet credentials](#)
4. [Scan](#) the [QR code](#) on the Cloud Key
5. [Log in](#) to your device using username [admin](#) and [no password](#)
6. You can now configure your device

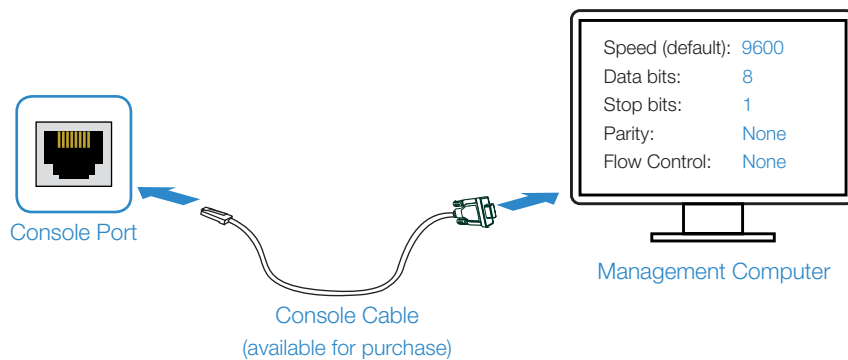


2 USB Setup

1. [Download](#) and launch the [FortiExplorer iOS App](#)
2. Connect your [Apple Lightning to USB cable](#) to the FortiGate/FortiWiFi [USB port](#)
3. [Tap](#) your device when it appears in [FortiExplorer](#)
4. [Log in](#) using username [admin](#) and [no password](#)
5. You can now configure your device



D CLI



1. Connect the **Console Port** with a **console cable** to the **Management Computer**
2. Start a **terminal program** on the **Management Computer** and select an available **COM Port** using the following default settings:

Baud rate: 9600
Data bits: 8
Parity: None
Stop bits: 1
Flow control: None

3. Log in using username **admin** and **no password**
4. You can now configure your device

```
FortiGate # ?
config      Configure object.
get         Get dynamic and system information.
show        Show configuration.
diagnose    Diagnose facility.
execute     Execute static commands.
exit        Exit the CLI.

FortiGate # config ?
alertemail  Alert email configuration.
antivirus   AntiVirus configuration.
application Application control configuration.
client-reputation Client reputation tracking configuration.
dlp         DLP configuration.
endpoint-control Endpoint control configuration.
firewall    Firewall configuration.
ftp-proxy   FTP proxy configuration.
gui         GUI configuration.
icap        ICAP client configuration.
imp2p       IM & P2P policy configuration.
ips         IPS configuration.
--More--
```

Note: Type **?** for a **list of commands**. Type a command with **?**, such as **config ?** to list the options. For advanced options, visit support.fortinet.com

Resources

Refer to the following resources to continue your FortiGate/FortiWiFi setup.

FortiGate Documentation Library

Up-to-date hardware and software guides

<https://docs.fortinet.com/fortigate>

Fortinet Customer Service & Support

Access knowledge bases, resource libraries and contact support

<https://support.fortinet.com/>

Fortinet Video Tutorials

FortiOS Tips, Web GUI tutorials, SD-WAN tricks and more

<http://video.fortinet.com>

FortiGuard Labs

Discover FortiGuard's Zero-Day Research, Weekly Threat Briefs and Threat Lookups

<https://fortiguard.com/>

FortiGate Cloud

Analyze centralized reporting, traffic analysis, configuration management and logs

<https://forticloud.com>

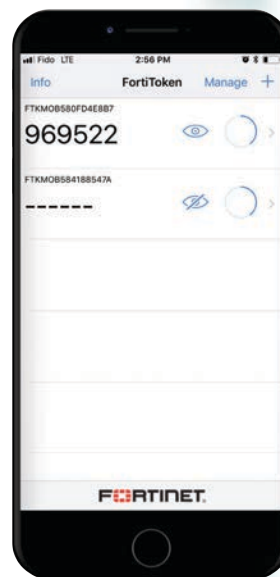
Register for Free Licenses & Services

Simplify and leverage provisioning, management, and analytics with FortiGate Cloud's centralized administration. Extend online logs and analysis to 1 full year with a subscription.

FortiGate Cloud 7 Days of Data Retention

Make remote access simple.
Use yourcompany.fortiddns.com instead of a hard-to-remember IP address.

Fortinet DDNS Service



Enable two-factor authentication for remote access using mobile devices. Available for iOS and Android devices. Get extra tokens from your Fortinet reseller.

2 FortiToken Mobile Licenses

Services with FortiCare Subscriptions

Global 24/7 support for your Fortinet hardware & software

Get the latest product security updates and features. Stay with us and see the product evolve.

Firmware Updates

Use cellphone technology as backup Internet connection. We are always adding support for new third party 3G/4G+ devices.

USB Modem Database Updates

Set up policies and track activities based on geography. Your **FortiGate** will intelligently identify where an IP is originated or destined.

Geo-IP Database Updates

Create policies to allow, deny, or restrict access to applications or entire categories of applications. You can use application control to keep malicious, risky, and unwanted applications out of your network.

Application Control Database Updates

Identify device type and OS information. Great for organizations who want to enforce device-based policies so that employees can bring in their devices.

Device Signatures Database Updates

Internet service database objects consist of IP addresses, port numbers, and protocols used by Internet services. Simplify the management and control of cloud-based applications.

Internet Service Database Updates

Fortinet Bundled Services with FortiCare

Fortinet Bundled Services	360 Protection	Enterprise Protection	UTM	Threat Protection
FortiCare	ASE	24x7	24x7	24x7
FortiGuard App Control Service	✓	✓	✓	✓
FortiGuard IPS Service	✓	✓	✓	✓
FortiGuard Advanced Malware Protection (AMP)	✓	✓	✓	✓
FortiGuard Web Filtering Service	✓	✓	✓	
FortiGuard Anti-Spam Service	✓	✓	✓	
FortiGuard Security Rating Service	✓	✓		
FortiGuard Industrial Service	✓	✓		
FortiCASB SaaS-only Service	✓	✓		
FortiConverter Service	✓			
SD-WAN Cloud Assisted Monitoring	✓			
SD-WAN Overlay Controller VPN Service	✓			
FortiAnalyzer Cloud	✓			
FortiManager Cloud	✓			

The Fortinet Security Fabric

Broad

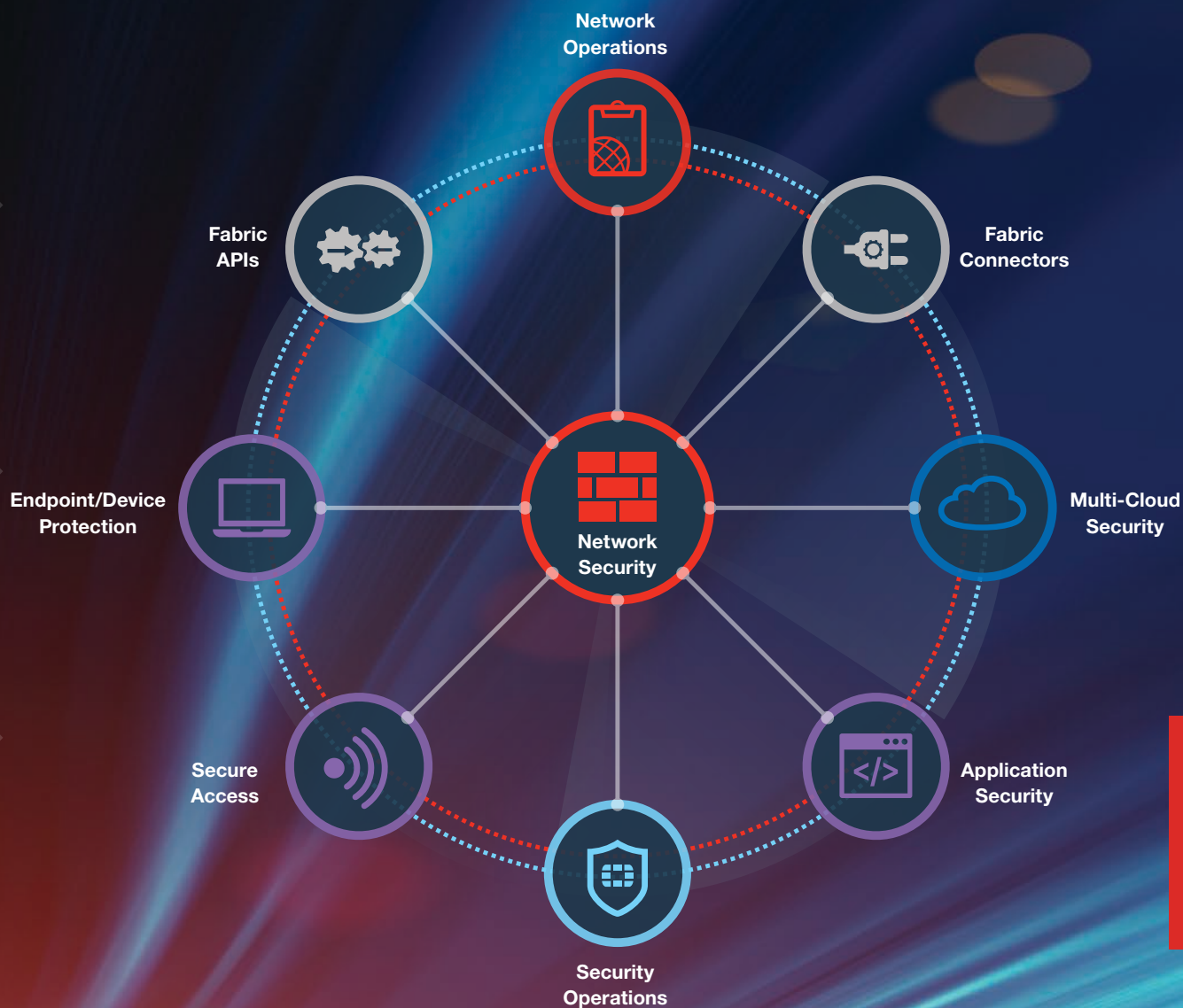
Visibility of the entire digital attack surface

Integrated

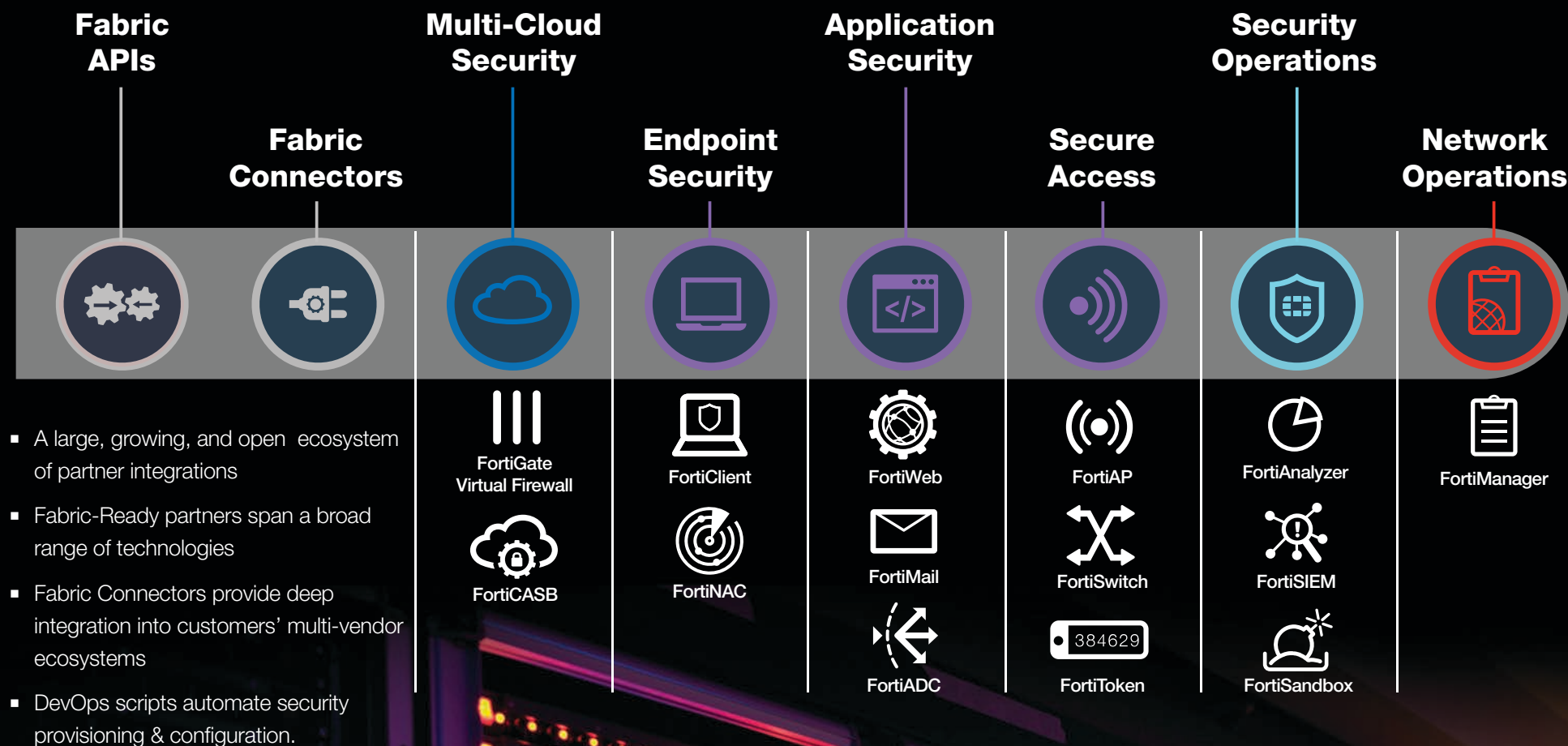
AI-driven breach prevention across all devices, networks, and applications

Automated

Operations, orchestration and response

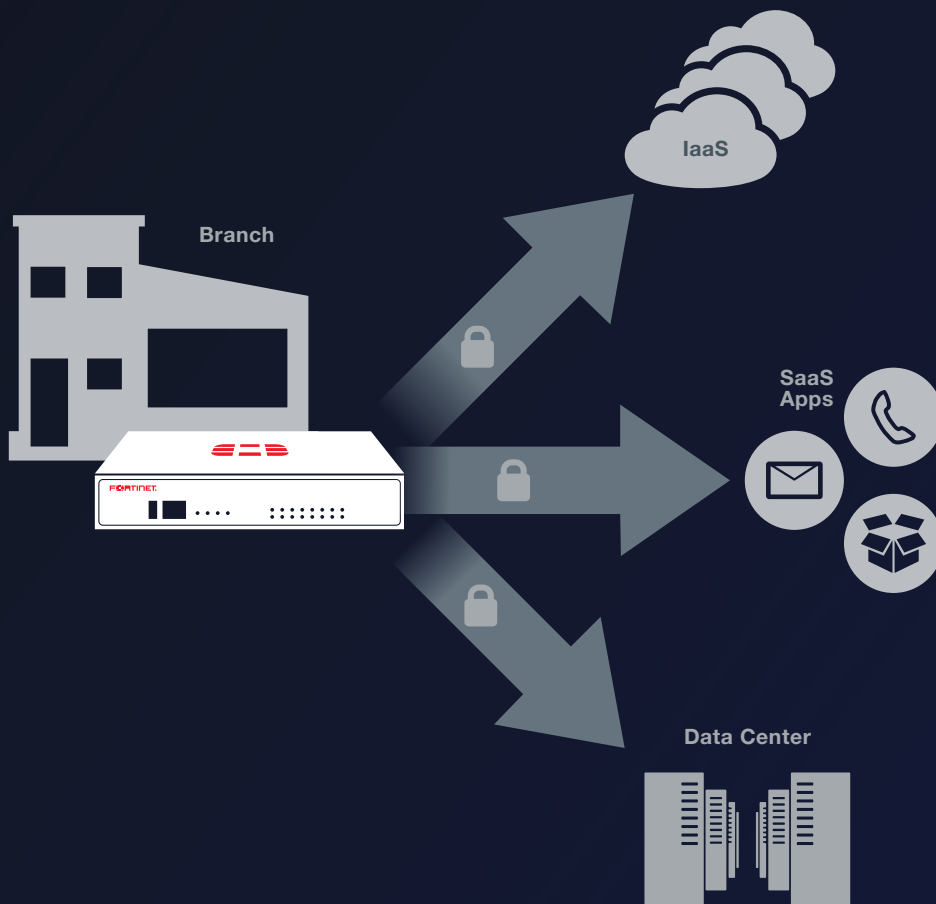


Other Fabric Solutions



Solution Spotlight: Secure SD-WAN

NGFW with built-in, best-of-breed SD-WAN capability enables digital transformation at the enterprise branch.



SD-WAN FortiGate 61E

Products

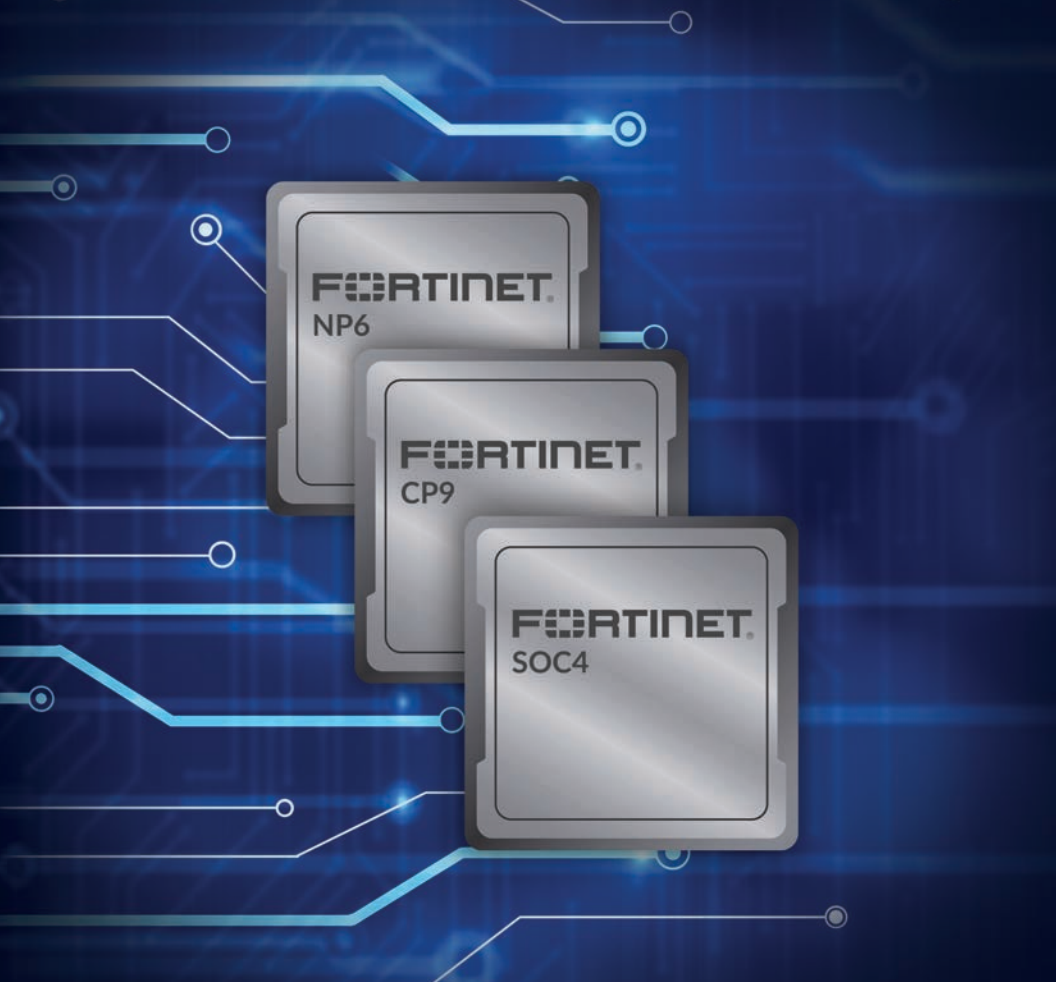
- FortiGate NGFW (at FortiOS 5.6 & above)
- FortiManager

Key Features

- Application-aware steering
- Automated WAN path intelligence
- Single-pane-of-glass management with zero-touch provisioning
- SD-WAN features include in base license

Benefits

- High application performance
- Reduced WAN OPEX
- Safe Internet access for branch sites
- Reduced complexity, easier management



Fortinet Security Processors

Specialized chip design delivers more processing power

Fortinet's purpose-built architecture delivers extremely high throughput and exceptionally low latency. These purpose-built security processors radically boost performance and scalability to enable the fastest network security appliances available.

Most Certified in the Industry

Fortinet is the only network security vendor to earn independent certifications across all core security technologies

Fortinet demonstrates our ability to consolidate multiple security technologies while still meeting the highest standards of performance and accuracy.



Corporate Overview

Forward looking market leadership

Fortinet pioneered an innovative, high performance network security solution. We address the fundamental problems of an increasingly bandwidth-intensive network environment and a more sophisticated IT threat landscape. We are a leading provider of network security appliances and the leader in Unified Threat Management, or UTM solutions.

Fortinet is a worldwide leading provider of UTM appliances, with a 17% year over year growth in the UTM security appliance market according to IDC Q4 2018.



Cautions and Warnings

Environmental specifications

Ambient operating temperature: 0°C to 40°C

Refer to specific Product Model Data Sheet for Environmental Specifications (Operating Temperature, Storage Temperature, Humidity, and Altitude)

Référez à la Fiche Technique de ce produit pour les caractéristiques environnementales (Température de fonctionnement, température de stockage, humidité et l'altitude)

Safety

Battery – Risk of explosion if the battery is replaced by an incorrect type. Do not dispose of batteries in a fire. They may explode. Dispose of used batteries according to your local regulations. IMPORTANT: Switzerland: Annex 4.10 of SR814.013 applies to batteries.

Batterie – Risque d'explosion si la batterie est remplacée par un type incorrect. Ne jetez pas les batteries au feu. Ils peuvent exploser. Jetez les piles usagées conformément aux réglementations locales. IMPORTANT: Suisse: l'annexe 4.10 de SR814.013 s'appliquent aux batteries.

警告
本電池如果更換不正確會有爆炸的危險
請依製造商說明書處理用過之電池

CAUTION:

There is a danger of explosion if a battery is incorrect replaced. Replace only with the same or equivalent type.

Dispose batteries of according to the manufacturer's instructions.

Disposing a battery into fire, a hot oven, mechanically crushing, or cutting it can result in an explosion.

Leaving a battery in an extremely hot environment can result in leakage of flammable liquid, gas, or an explosion.

If a battery is subjected to extremely low air pressure, it may result in leakage of flammable liquid, gas, or an explosion.

WARNING:

Lithium-Batterie Achtung: Explosionsgefahr bei fehlerhafter Batteriewechsel. Ersetzen Sie nur den gleichen oder gleichwertigen Typ. Batterien gemäß den Anweisungen des Herstellers entsorgen.

Beseitigung einer BATTERIE in Feuer oder einen heißen Ofen oder mechanisches Zerkleinern oder Schneiden einer BATTERIE, die zu einer EXPLOSION führen kann

Verlassen einer BATTERIE in einer extrem hohen Umgebungstemperatur, die zu einer EXPLOSION oder zum Austreten von brennbarer Flüssigkeit oder Gas führen kann

Eine BATTERIE, die einem extrem niedrigen Luftdruck ausgesetzt ist, der zu einer EXPLOSION oder zum Austreten von brennbarer Flüssigkeit oder Gas führen kann.

This product is intended to be supplied by a Listed pluggable A via Class I external power supply adapter by means of a power cord connected to a socket-outlet with earthing connection.

Ce produit est destiné à être alimenté par un adaptateur d'alimentation externe de classe I par l'intermédiaire d'un cordon d'alimentation enfichable de classe A qui doit être branché à une prise de courant avec terre.

Regulatory Notices

Federal Communication Commission (FCC) – USA

This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received; including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if it is not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 27cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Caution: Operation of this device is restricted to indoor use only.

For operation within 5.15 – 5.25GHz frequency range, it is restricted to indoor environment. The band from 5600-5650MHz will be disabled by the software during the manufacturing and cannot be changed by the end user.

This device meets all the other requirements specified in Part 15E, Section 15.407 of the FCC Rules.

Industry Canada Equipment Standard for Digital Equipment (ICES) – Canada

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Innovation, Science and Economic Development (ISED) – Canada

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- 1. This device may not cause interference;
- 2. This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- 1. L'appareil ne doit pas produire de brouillage;
- 2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

For product available in the USA/Canada market, only channel 1–11 can be operated. Selection of other channels is not possible.

Pour les produits disponibles aux États-Unis / Canada du marché, seul le canal 1 à 11 peuvent être exploités. Sélection d'autres canaux n'est pas possible.

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. For the FWF-60F/61F and -40F/41F series, this equipment should be installed and operated with minimum distance of 27cm between the radiator & your body. For the FWF-40F/41F/-3G4G series the minimum distance is also 27cm.

Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. Pour le FWF-60F/61F série, cet équipement doit être installé et utilisé avec un minimum de 20cm de distance entre la source de rayonnement et votre corps. Pour les FWF-40F/41F/-3G4G séries, la distance est 27cm.

The maximum antenna gain permitted for devices in the band 5725–5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits specified for point-to-point and non-point-to-point operation as appropriate.

Le gain maximal d'antenne permis (pour les dispositifs utilisant la bande 5725-5850 MHz) doit se conformer à la limite de p.i.r.e. spécifiée pour l'exploitation point à point et non point à point, selon le cas.

The maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall comply with the e.i.r.p. limit; and

Le gain maximal d'antenne permis pour les dispositifs utilisant les bandes 5250-5350 MHz et 5470-5725 MHz doit se conformer à la limite de p.i.r.e.;

The worst-case tilt angle(s) necessary to remain compliant with the e.i.r.p. elevation mask requirement set forth in Section 6.2.2(3) shall be clearly indicated.

Les pires angles d'inclinaison nécessaires pour rester conforme à l'exigence de la p.i.r.e. applicable au masque d'élévation, et énoncée à la section 6.2.2.3), doivent être clairement indiqués.

Caution: The device for the band 5150-5250 MHz is only for indoor usage to reduce potential for harmful interference to co-channel mobile satellite systems.

Attention: Le dispositif de la bande 5150-5250 MHz est réservé à un usage intérieur afin de réduire l'interférence nuisible potentielle aux systèmes mobiles par satellite co-canal.

Antenna having a higher gain is strictly prohibited per regulations of ISED. The required antenna impedance is 50 ohms.

Under ISED regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by ISED. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Une antenne ayant un gain supérieur sont strictement interdites par la réglementation d'ISED. L'impédance d'antenne requise est de 50 ohms.

Conformément à la réglementation d'ISED, cet émetteur radio peut fonctionner seulement avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par ISED. Dans le but de réduire les risques de brouillage radioélectrique aux autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication réussie.

The radio transmitter for the FWF-60F/61F series **IC: 7280B-121757A** while the FWF-40F/41F/-3G4G series **IC: 7280B-121757B** have been approved by ISED to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. The Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Le présent émetteur radio pour le FWF-60F/61F série **IC: 7280B-121757A** et les FWF-40F/41F/-3G4G séries **IC: 7280B-121757B** ont été approuvés par ISED pour fonctionner avec les types d'antenne énumérées ci-dessous et ayant un gain admissible maximal et l'impédance requise pour chaque type d'antenne. Les types d'antenne non inclus dans cette liste, ou dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

This device and it's antennas(s) must not be co-located or operating in conjunction with any other antenna or transmitter except in accordance with IC multi-transmitter product procedures.

Cet appareil et son antenne (s) ne doit pas être co-localisés ou fonctionner en association avec une autre antenne ou transmetteur.

IMPORTANT: The device must be professionally installed and must use the supplied antenna.

Professional Installation Instruction

Art.	Brand Holder	Model Name	Antenna Type	Connector	Gain (dBi)	
					2.4GHz	5GHz
1	Shenzhen Tenda Technology CO., LTD.	W1800R	External Dual-Band Detachable Antenna	SMA	4.2	3.5

1.Installation personnel
This product is designed for specific application and needs to be installed by qualified personnel who has RF and related rule knowledge. The general user shall not attempt to install or change the settings.

2.Installation location
The product shall be installed at a location where the radiating antenna can be kept 27cm from nearby person in normal operation condition to meet Regulatory RF exposure requirement. The installation applies to both indoor and outdoor location.

3.External antenna(s)
Use only the antenna(s) that have been approved by the manufacturer. The non-approved antenna(s) may produce unwanted spurious or excessive RF transmitting power that may lead to the violation of FCC/ISED limit and is prohibited.

4. Warning
Please carefully select the installation position and ensure that the final output power does not exceed the limit set forth in relevant rules. The violation of the rule could lead to serious federal penalty.

Instructions d'installation professionnelle

1.Installation
Ce produit est conçu pour un usage spécifique et doit être installé par un personnel qualifié maîtrisant les radiofréquences et règle similaires. L'utilisateur ne doit pas tenter d'installer ou de modifier les paramètres.

2.Emploiment d'installation
En usage normal, afin de respecter les exigences réglementaires concernant l'exposition aux radiofréquences, ce produit doit être installé de façon à respecter une distance de 27cm entre l'antenne émettrice et. L'installation s'applique aux emplacements intérieur et extérieur.

3.Antenne externe(s)
Utiliser uniquement l'antenne (s) approuvées par le fabricant. L'utilisation d'autres antennes peut conduire à un niveau de rayonnement essentiel ou non essentiel dépassant les niveaux limites définis par FCC/ISED, ce qui est interdit.

4.Avertissement
Choisir avec soin la position d'installation et s'assurer que la puissance de sortie ne dépasse pas les limites en vigueur. La violation de cette règle peut conduire à de sérieuses pénalités fédérales.

European Conformity (CE) - EU

This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.



Compliance with 2014/53/EU Radio Equipment Directive (RED)

In accordance with Article 10.8(a) and 10.8(b) of the RED, the following table provides information on the frequency bands used and the maximum RF transmitting power of the product for sale in the EU.

The product transmits within the frequency ranges and less than or equal to the power listed below:

For the FWF-60F/61F series & FWF-40F/41F/-3G4G series:
2412-2472MHz less than 20dBm
5180-5240MHz less than 23dBm

For the FWF-40F/41F/-3G4G series:
WCDMA B1 less than 24dBm
WCDMA B8 less than 24dBm
LTE B1 less than 24dBm
LTE B3 less than 24dBm
LTE B7 less than 23dBm
LTE B8 less than 24dBm
LTE B20 less than 24dBm
LTE B28 less than 24dBm
LTE B42 less than 23dBm
LTE B43 less than 23dBm

For the FWF-60F/61F series and -40F/40F, this equipment should be installed and operated with minimum distance 27cm between the radiator & your body. For the FWF-40F/41F/-3G4G series the minimum distance is 27cm.

Simplified EU Declaration of Conformity

This declaration is only valid for Fortinet products (including combinations of software, firmware and hardware) provided by Fortinet or Fortinet's authorized partners to the end-customer directly for use within the EU or countries that have implemented the EU Directives and/or spectrum regulation. Any Fortinet products not obtained directly from Fortinet or Fortinet's authorized partners may not comply with EU Directives and Fortinet makes no assurances for such products.

Български

Този продукт е в съответствие с Директива 2014/53/ЕС.

Česky

Tento produkt je v souladu se směrnicí 2014/53/EU.

Dansk

Dette produkt er i overensstemmelse med direktiv 2014/53/EU.

Deutsch

Dieses Produkt entspricht der Richtlinie 2014/53/EU.

Eesti

See toode vastab direktiivile 2014/53/EL.

English

This product is in compliance with Directive 2014/53/EU.

Español

Este producto cumple con la Directiva 2014/53/UE.

Ελληνική

Το προϊόν αυτό συμμορφώνεται με την Οδηγία 2014/53/ΕΕ.

Français

Ce produit est conforme à la Directive 2014/53/UE.

Hrvatski

Ovaj proizvod je u skladu s Direktivom 2014/53/EU.

Italiano

Questo prodotto è conforme alla Direttiva 2014/53/UE.

Latviski

Šis produkts ir atbilstošs Direktīvai 2014/53/ES.

Lietuvių

Šis gaminyas atitinka direktyvą 2014/53/ES.

Maltil

Dan il-prodott huwa konformi mad-Direttiva 2014/53/UE.

Magyar

Ez a termék megfelel a 2014/53/EU irányelvnek.

Nederlands

Dit product is in overeenstemming met Richtlijn 2014/53/UE.

Norsk

Dette produkt er i samsvar med direktiv 2014/53/UE.

Polski

Ten produkt jest zgodny z dyrektywą 2014/53/UE.

Português

Este produto está em conformidade com a Diretiva 2014/53/UE.

Rumunski

Acest produs este în conformitate cu Directiva 2014/53/UE.

Slovensky
Tento produkt je v súlade so smernicou 2014/53/EÚ.

Slovensko
Tá izdelek je v skladu z Direktivo 2014/53/EU.

Suomi
Tämä tuote on direktiivin 2014/53/EU mukainen.

Svenska
Denna produkt överensstämmer med direktiv 2014/53/EU.

Note: The full Declaration of Conformity for this product is available in the link below:
<https://site.fortinet.com/ProductRegulatory/EU>

The device is restricted to indoor use only when operating in the 5150 to 5350 MHz frequency range in the following countries:

	AT	BE	BG	HR	CY	CZ	DK
	EE	FI	FR	DE	EL	HU	IE
	IT	LV	LT	LU	MT	NL	PL
	PT	RO	SK	SI	ES	SE	UK

Voluntary Control Council for Interference (VCCI) – Japan

この装置は、クラスB機器です。この装置は、住宅環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。
取扱説明書に従って正しい取り扱いをして下さい。

V C C I – B

Product Safety Electrical Appliance & Material (PSE) – Japan

日本では電気用品安全法(PSE)の規定により、同梱している電源コードは本製品の専用電源コードとして利用し、他の製品に使用しないでください。

Bureau of Standards Metrology and Inspection (BSMI) – Taiwan

The presence conditions of the restricted substance (BSMI RoHS table) are available at the link below:

限用物質含有情況表 (RoHS Table) 請到以下 網址下載:
<https://www.fortinet.com/bsmi>

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電話：(02) 27961666

For the FG-40F Series only.

Agência Nacional de Telecomunicações (ANATEL) – Brazil

Este produto não é apropriado para uso em ambientes domésticos, pois poderá causar interferências eletromagnéticas que obrigam o usuário a tomar medidas necessárias para minimizar estas interferências."

Para maiores informações, consulte o site da ANATEL www.anatel.gov.br

Fortinet Product License Agreement / EULA and Warranty Terms

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1. License Grant.

This is a license, not a sales agreement, between you and Fortinet. The term "Software", as used throughout this Agreement, includes all Fortinet and third party firmware and software provided to you with, or incorporated into, Fortinet appliances and any stand-alone software provided to you by Fortinet, with the exception of any open source software contained in Fortinet's Products which is discussed in detail in section 15 below, and the term "Software" includes any accompanying documentation, any updates and enhancements of the software or firmware provided to you by Fortinet, at its option. Fortinet grants to you a non-transferable (except as provided in section 5 ("Transfer") and section 15 ("Open Source Software") below), non-exclusive, revocable (in the event of your failure to comply with these terms or in the event Fortinet is not properly paid for the applicable Product) license to use the Software solely for your internal business purposes (provided, if (a) agreed by Fortinet in writing, (b) a substantial portion of your business is to provide managed service provider services to your end-customers, and (c) you pay for an MSSP license, then you may use the Software and/or Software embedded in Fortinet Hardware and supporting hardware appliances to provide those services, subject to the other restrictions in this Agreement), in accordance with the terms set forth in this Agreement and subject to any further restrictions in Fortinet documentation (including license term restrictions), and solely on the Fortinet appliance, or, in the case of blades, CPUs or databases, on the single blade, CPU or database on which Fortinet installed the Software or, for stand-alone Software, solely on a single computer running a validly licensed copy of the operating system for which the Software was designed unless and except set forth in the published documentation otherwise, or, in the case of blades, CPUs or databases, on a single blade, CPU or database. For clarity, notwithstanding anything to the contrary, all licenses of Software to be installed on blades, CPUs or databases are licensed on a per single blade, solely for one blade and not for multiple blades that may be installed in a chassis, per single CPU or per single database basis, as applicable. The Software is "in use" on any Fortinet appliances when it is loaded into temporary memory (i.e. RAM). You agree that, except for the limited, specific license rights granted in this section 1, you receive no license rights to the Software.

2. Limitation on Use.

You may not attempt to, and, if you are a corporation, you are responsible to prevent your employees and contractors from attempting to, (a) modify, translate, reverse engineer, decompile, disassemble, create derivative works based on, sublicense, or distribute the Software; (b) rent or lease any rights in the Software in any form to any third party or make the Software available or accessible to third parties in any other manner; (c) except as provided in section 5, transfer assign or sublicense right to any other person or entity; (d) remove any proprietary notice, labels, or marks on the Software, Products, and containers, or (e) use the Software for third-party training, commercial time-sharing or service bureau use or use the Software to provide services to third parties except as expressly set forth in this Agreement.

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4. Term and Termination.

Except for (a) evaluation and beta licenses where the term of the license is limited per the evaluation/beta or other agreement or (b) other licenses, such as subscription licenses, where the term of the license is limited per the ordering documents, other Fortinet documentation or otherwise, the term of the license is for the duration of Fortinet's copyright in the Software. Fortinet may terminate this Agreement, and the licenses and other rights herein, immediately without notice if you breach or fail to comply with any of the terms and conditions of this Agreement or for other reasons as stated in Fortinet's other documentation. You agree that, upon such termination, you will cease using the Software and any Product and either destroy all copies of the Fortinet documentation or return all materials to Fortinet.

5. Transfer.

If you are a Fortinet contracted and authorized reseller or distributor of Products, you may transfer (not rent or lease unless specifically agreed to in writing by Fortinet) the Software to one end user on a permanent basis, provided that: (i) you ensure that your customer and the end user receives a copy of this Agreement, is bound by its terms and conditions, and, by selling the Product or Software, you hereby agree to enforce the terms in this Agreement against such end user, (ii) you at all times comply with all applicable United States export control laws and regulations, and (iii) you agree to refund any fees paid to you by an end user who purchased Product(s) from you but does not agree to the terms contained in this Agreement and therefore wishes to return the Product(s) as provided for in this Agreement. Further, if you are a non-authorized reseller of Products and Services, you are not authorized to sell Product(s), Software or Services, but, regardless, by selling Product(s), Software or Services, you hereby agree you are bound by the restrictions and obligations herein and are bound to: (i) ensure that your customer and the end user receive a copy of this Agreement and are bound in full by all restrictions and obligations herein (ii) enforce the restrictions and obligations in this Agreement against such customer and/or end user, (iii) comply with all applicable United States export control laws and regulations and all other applicable laws, and (iv) refund any fees paid to you by a customer and/or end user who purchased Product(s) from you but does not agree to the restrictions and obligations contained in this Agreement and therefore wishes to return the Product(s) as provided for in this Agreement. Notwithstanding anything to the contrary, distributors, resellers and other Fortinet partners (a) are not agents of Fortinet and (b) are not authorized to bind Fortinet in any way.

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already

present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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